**Table.** Plasma Cytokine Concentrations Between Baseline and 24- and 48-hours by Treatment Group Among Patients with Abdominal Injury or Intra-abdominal Sepsis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Cytokine** | **Treatment Group** | **Baseline (pg/mL)** | **24 h (pg/mL)** | **p-value for Difference at 24 Hours Between Groups**\* | **48 h (pg/mL)** | **p-value for Difference at 48 h Between Groups**\* |
| **Abdominal injury patients** |
| IL-1β | ABThera™ | 2.9 (1.6-5.3) | 1.8 (1.2-2.9) | 0.27 | 1.7 (1.2-1.7) | 0.17 |
| Barker’s vacuum pack | 2.3 (2.1-2.5) | 2.4 (1.8-2.6) | 2.1 (1.5-2.8) |
| IL-8 | ABThera™ | 186.4 (44.4-299.2) | 138.8 (57.5-216.6) | 0.78 | 55.3 (46.5-126.4) | 0.20 |
| Barker’s vacuum pack | 182.2 (57.3-547.0) | 117.5 (77.7-272.6) | 119.4 (83.2-293.3) |
| IL-10 | ABThera™ | 167.0 (78.3-246.0) | 43.5 (19.8-60.6) | 0.91 | 13.7 (12.0-19.0) | 0.84 |
| Barker’s vacuum pack | 170.4 (38.3-238.8) | 30.1 (24.9-32.7) | 20.1 (13.1-22.3) |
| IL-12 p70 | ABThera™ | 43.6 (24.7-70.9) | 24.5 (22.0-29.8) | 0.12 | 20.6 (18.4-27.0) | 0.02 |
| Barker’s vacuum pack | 23.2 (19.6-29.4) | 31.1 (14.1-38.6) | 23.7 (20.0-31.7) |
| TNF-α | ABThera™ | 42.4 (22.3-74.4) | 30.6 (21.8-37.8) | 0.18 | 25.2 (19.4-27.9) | 0.14 |
| Barker’s vacuum pack | 34.3 (30.9-51.8) | 31.7 (24.7-46.8) | 21.8 (21.3-38.2) |
| **Intra-abdominal sepsis patients** |
| IL-1β | ABThera™ | 2.1 (1.8-7.1) | 1.6 (1.1-2.8) | 0.59 | 1.5 (1.3-1.8) | 0.67 |
| Barker’s vacuum pack | 4.6 (3.4-13.8) | 2.4 (1.7-5.4) | 1.9 (1.4-3.5) |
| IL-8 | ABThera™ | 215.2 (57.8-669.5) | 186.5 (69.3-360.5) | 0.57 | 71.1 (41.7-177.9) | 0.97 |
| Barker’s vacuum pack | 648.5 (384.6-6135.5) | 383.2 (212.2-684.3) | 292.1 (93.1-479.0) |
| IL-10 | ABThera™ | 110.5 (13.6-202.4) | 20.1 (13.6-30.4) | 0.86 | 13.6 (10.7-21.3) | 0.54 |
| Barker’s vacuum pack | 135.7 (57.6-197.8) | 42.9 (29.1-69.6) | 46.1 (17.2-72.5) |
| IL-12 p70 | ABThera™ | 33.1 (31.7-41.1) | 25.3 (16.7-32.8) | 0.14 | 21.5 (16.4-32.7) | 0.08 |
| Barker’s vacuum pack | 51.8 (34.9-83.6) | 32.2 (26.3-54.4) | 27.7 (26.5-33.9) |
| TNF-α | ABThera™ | 37.5 (26.1-55.9) | 22.4 (16.6-36.2) | 0.41 | 23.2 (18.9-27.9) | 0.98 |
| Barker’s vacuum pack | 74.9 (36.7-106.3) | 44.5 (27.9-87.9) | 27.5 (22.4-66.1) |

Where IL-indicates interleukin and TNF, tumor necrosis factor.

Values in Table summarizing peritoneal fluid and plasma cytokine concentrations represent medians (with associated interquartile ranges). Tests of hypotheses and p-values were estimated using mixed-effects regression models.

\*Test of hypothesis comparing whether peritoneal fluid or plasma cytokine concentrations are significantly different at 24 or 48 h versus baseline between patients randomized to the ABThera versus Barker’s vacuum pack.